

Title (en)  
WIRELESS COMMUNICATION SYSTEM, WIRELESS COMMUNICATION METHOD, AND WIRELESS DEVICE

Title (de)  
Drahtloses Kommunikationssystem, drahtloses Kommunikationsverfahren und drahtlose Vorrichtung

Title (fr)  
SYSTÈME DE COMMUNICATION SANS FIL, PROCÉDÉ DE COMMUNICATION SANS FIL ET DISPOSITIF SANS FIL

Publication  
**EP 2237588 A1 20101006 (EN)**

Application  
**EP 08869008 A 20081212**

Priority  

- JP 2008073135 W 20081212
- JP 2007341277 A 20071228
- JP 2008287696 A 20081110

Abstract (en)  
After checking a status of frequency band usage of a primary system by preliminary sensing, a master node transmits to slave nodes a sensing request containing a target frequency band for cooperative sensing. The slave nodes perform spectrum sensing according to specified parameters and send, as responses, results thereof to the master node. The master node collectively receives these results, comprehensively determines the sensing results of the slave nodes, and makes a final determination on whether or not the target frequency band is available.

IPC 8 full level  
**H04W 16/14** (2009.01); **H04W 24/10** (2009.01)

CPC (source: EP US)  
**H04W 16/14** (2013.01 - EP US); **H04W 24/10** (2013.01 - EP US)

Cited by  
EP2871878A4; EP2384044A4; US8849338B2; US8923881B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
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**EP 08869008 A 20081212**; JP 2008073135 W 20081212; JP 2009548008 A 20081212; US 80897508 A 20081212